

Listing of Claims

Claim 1 (Currently Amended): A method of transferring data from a first end system to a second end system, wherein said first end system and said second end system are connected by a network, said method being performed in said first end system, said method comprising:

determining in said first end system whether to send said data in a compressed format;

if it is determined to send said data in said compressed format, compressing said data to generate compressed data using a compression approach and sending said compressed data to said second end system on said network; and

otherwise, sending said data in an uncompressed format to said second end system on said network,

wherein said determining checks a processing load on ~~each of said first end system and said second end system~~, and determines not to send said data in said compressed format if the processing load on ~~either~~ said second end system is determined to be more than a first threshold.

Claims 2 - 3: (Canceled)

Claim 4 (Original): The method of claim 1, wherein said determining checks a type of said data and determines not to send said data in said compressed format if said type does not lend to substantial data compression.

Claim 5 (Original): The method of claim 1, wherein said determining examines a size of said data and determines not to send said data in said compressed format if said size is small.

Claim 6 (Previously Presented): The method of claim 5, wherein said determining further checks a speed of data transfer on said network and determines not to use said compressed format if said speed is high.

1 Claim 7 (Original): The method of claim 6, wherein said speed is determined by
2 sending an ICMP echo packet.

1 Claim 8 (Previously Presented): The method of claim 1, wherein said determining
2 further checks a speed of data transfer on said network and determines not to use said
3 compressed format if said speed is high,

4 wherein said speed is determined by including a first local time stamp in a packet
5 sent to said second end system, and receiving a second time stamp and a third time stamp
6 from said second end system at a time specified by a fourth local time stamp, wherein said
7 second time stamp indicates a time at which said packet is received in said second end
8 system and said third time stamp indicates a time at which said packet is sent from said
9 second end system, wherein said speed is determined based on said first local time stamp,
10 said second time stamp, said third time stamp, and said fourth time stamp.

1 Claim 9 (Original): The method of claim 1, wherein said first end system
2 comprises one of a database server and a database client, and said second end system
3 comprises the other one of said database server and said database client.

1 Claim 10 (Original): The method of claim 1, wherein said data comprises software
2 instructions.

1 Claim 11 (Currently Amended): A computer readable medium carrying one or
2 more sequences of instructions for causing a first end system to transfer a second end
3 system, wherein said first end system and said second end system are connected by a
4 network, wherein execution of said one or more sequences of instructions by one or more
5 processors contained in said first end system causes said one or more processors to
6 perform the actions of:

7 determining in said first end system whether to send said data in a compressed
8 format;

9 if it is determined to send said data in said compressed format, compressing said
10 data to generate compressed data using a compression approach and sending said
11 compressed data to said second end system on said network; and

12 otherwise, sending said data in an uncompressed format to said second end system
13 on said network,

14 wherein said determining checks a processing load on ~~each of said first end system~~
15 ~~and~~ said second end system, and determines not to send said data in said compressed
16 format if the processing load on ~~either~~ said second end system is determined to be more
17 than a first threshold.

Claims 12 - 13: (Canceled)

1 Claim 14 (Previously Presented): The computer readable medium of claim 11,
2 wherein said determining checks a type of said data and determines not to send said data
3 in said compressed format if said type does not lend to substantial data compression.

1 Claim 15 (Previously Presented): The computer readable medium of claim 11,
2 wherein said determining examines a size of said data and determines not to send said
3 data in said compressed format if said size is small.

1 Claim 16 (Previously Presented): The computer readable medium of claim 15,
2 wherein said determining further checks a speed of data transfer on said network and
3 determines not to use said compressed format if said speed is above a second threshold.

1 Claim 17 (Original): The computer readable medium of claim 16, wherein said
2 speed is determined by sending an ICMP echo packet.

1 Claim 18 (Previously Presented): The computer readable medium of claim 11,
2 wherein said determining further checks a speed of data transfer on said network and
3 determines not to use said compressed format if said speed is above a second threshold,

4 wherein said speed is determined by including a first local time stamp in a packet
5 sent to said second end system, and receiving a second time stamp and a third time stamp
6 from said second end system at a time specified by a fourth local time stamp, wherein said
7 second time stamp indicates a time at which said packet is received in said second end
8 system and said third time stamp indicates a time at which said packet is sent from said
9 second end system, wherein said speed is determined based on said first local time stamp,
10 said second time stamp, said third time stamp, and said fourth time stamp.

1 Claim 19 (Previously Presented): The computer readable medium of claim 11,
2 wherein said first end system comprises one of a database server and a database client,
3 and said second end system comprises the other one of said database server and said
4 database client.

1 Claim 20 (Previously Presented): The computer readable medium of claim 11,
2 wherein said data comprises software instructions.

1 Claim 21 (Currently Amended): An apparatus for transferring data from a first end
2 system to a second end system, wherein said first end system and said second end system
3 are connected by a network, said apparatus being performed in said first end system, said
4 apparatus comprising:

5 means for determining in said first end system whether to send said data in a
6 compressed format;

7 means for compressing said data to generate compressed data using a compression
8 approach and means for sending said compressed data to said second end system on said
9 network if it is determined to send said data in said compressed format; and

10 means for sending said data in an uncompressed format to said second end system
11 on said network otherwise,

12 wherein said means for determining checks a processing load on ~~each of said first~~
13 ~~end system and~~ said second end system, and determines not to send said data in said

14 compressed format if the processing load on ~~either~~ said second end system is determined
15 to be more than a third threshold.

Claims 22 - 23: (Canceled)

1 Claim 24 (Original): The apparatus of claim 21, wherein said means for
2 determining checks a type of said data and determines not to send said data in said
3 compressed format if said type does not lend to substantial data compression.

1 Claim 25 (Original): The apparatus of claim 21, wherein said means for
2 determining examines a size of said data and determines not to send said data in said
3 compressed format if said size is small.

1 Claim 26 (Previously Presented): The apparatus of claim 25, wherein said means
2 for determining further checks a speed of data transfer on said network and determines
3 not to use said compressed format if said speed is high.

1 Claim 27 (Original): The apparatus of claim 26, wherein said means for
2 determining determines said speed by sending an ICMP echo packet.

1 Claim 28 (Previously Presented): The apparatus of claim 21, wherein said means
2 for determining further checks a speed of data transfer on said network and determines
3 not to use said compressed format if said speed is high,

4 wherein said means for determining includes a first local time stamp in a packet
5 sent to said second end system, and receives a second time stamp and a third time stamp
6 from said second end system at a time specified by a fourth local time stamp, wherein said
7 second time stamp indicates a time at which said packet is received in said second end
8 system and said third time stamp indicates a time at which said packet is send from said
9 second end system, wherein said speed is determined based on said first local time stamp,
10 said second time stamp, said third time stamp, and said fourth time stamp.

1 Claim 29 (Original): The apparatus of claim 21, wherein said first end system
2 comprises one of a database server and a database client, and said second end system
3 comprises the other one of said database server and said database client.

1 30 (New): The method of claim 1, wherein said determining checks said
2 processing load on said second end system periodically including at a first time instance
3 and then at a second time instance, and determines not to send data in said compressed
4 format between said first time instance and said second time instance if the processing
5 load at said first time instance is more than said first threshold.

1 31 (New): The method of claim 30, wherein said determining checks processing
2 load on said first end system and determines to said send said data in said compressed
3 format if the processing load on said first second end system is not more than said first
4 threshold and if the processing load on said second end system is not more than a second
5 threshold.

1 32 (New): The computer readable medium of claim 11, wherein said determining
2 checks said processing load on said second end system periodically including at a first
3 time instance and then at a second time instance, and determines not to send data in said
4 compressed format between said first time instance and said second time instance if the
5 processing load at said first time instance is more than said first threshold.

1 33 (New): The computer readable medium of claim 32, wherein said determining
2 checks processing load on said first end system and determines to said send said data in
3 said compressed format if the processing load on said first second end system is not more
4 than said first threshold and if the processing load on said second end system is not more
5 than a second threshold.

1 34 (New): The computer readable medium of claim 21, wherein said means for
2 determining checks said processing load on said second end system periodically including
3 at a first time instance and then at a second time instance, and determines not to send data
4 in said compressed format between said first time instance and said second time instance
5 if the processing load at said first time instance is more than said first threshold.

1 35 (New): The computer readable medium of claim 34, wherein said means for
2 determining checks processing load on said first end system and determines to said send
3 said data in said compressed format if the processing load on said first second end system
4 is not more than said first threshold and if the processing load on said second end system
5 is not more than a second threshold.